

Listing of the Claims

Claims 1-20 (cancelled)

21. (New) A method of forming a display device having a plurality of pixel elements, each pixel element comprising an electrically-conducting element to operate the pixel element, comprising:

forming a light-to-heat conversion layer over a donor substrate;

forming a black matrix transfer layer over the light-to-heat conversion layer;

contacting a substrate of the display device with the black matrix transfer layer;

selectively irradiating, according to a pattern, the light-to-heat conversion layer with light having at least one wavelength that the light-to-heat conversion layer can convert to heat energy;

thermally transferring, according to the pattern, a portion of the black matrix transfer layer to the substrate of the display device to form a black matrix defining a plurality of pixel elements, the black matrix having an optical density sufficient to provide optical contrast between adjacent pixel elements, a resistivity that substantially prevents cross-talk between the electrically-conducting elements of adjacent pixel elements, and a thickness to maintain substantial planarity with at least a portion of adjacent electrically-conducting elements;

forming, for each pixel element, an electrically-conducting element on the substrate of the display device, the black matrix separating adjacent electrically-conducting elements.

22. (New) The method of claim 21, wherein forming a black matrix transfer layer comprises forming, over the light-to-heat conversion layer, a black matrix transfer layer comprising 40 to 50 wt.% carbon black.

23. (New) The method of claim 21, wherein forming a black matrix transfer layer comprises forming, over the light-to-heat conversion layer, a black matrix transfer layer having an optical density of at least 2.4 for white light.

24. (New) The method of claim 21, wherein thermally transferring a portion of the black matrix transfer layer comprises thermally transferring, according to the pattern, a portion of the black matrix transfer layer to the substrate of the display device to form a black matrix having a resistivity of at least 1×10^{10} ohm-cm.

25. (New) The method of claim 21, wherein forming a plurality of electrically-conducting elements comprises forming a plurality of electrically-conducting elements on the optical display substrate after thermally transferring a portion of the black matrix transfer layer to the optical display substrate.